

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## In re Application of:

Salman Akram

Serial No.: 10/791,191

Filed: March 2, 2004

For: METHOD OF IMPROVING COPPER

INTERCONNECTS OF

SEMICONDUCTOR DEVICES FOR

**BONDING** 

**Confirmation No.:** 1968

Examiner: A. Roman

Group Art Unit: 2812

Attorney Docket No.: 2269-3854.3US

(98-0854.03/US)

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## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2). The listed documents were cited by the Office in co-pending application Serial No. 11/142,981, filed on June 2, 2005, and directed to a related invention.

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

U.S. Patent No.	<b>Publication Date</b>	<u>Patentee</u>
US - 3,781,596	12/25/1973	Galli et al.
US - 4.985,310	01/15/1991	Agarwala et al.
US - 5,169,680	12/8/1992	Ting et al.
US - 6,100,194	08/08/2000	Chan et al.
US - 6,164,523	12/26/2000	Fauty et al.
US - 6,218,281	04/17/2001	Watanabe et al.
US - 6,417,088	07/09/2002	Ho et al.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed concurrently with an RCE in the above-identified application, and therefore no additional fee is due.

Respectfully submitted,

James R. Duzan

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Date: January 17, 2007

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Enclosures: Form PTO-1449 or PTO/SB/08

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Approved for use through 10/31/2002. OMB 0651-0031

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) of

Complete if Known			
Application Number	10/791,191		
Filing Date	March 2, 2004		
First Named Inventor	Salman Akram		
Group Art Unit	2812		
Examiner Name	A. Roman		
Attorney Docket Number	2269-3854.3US (98-0854.03/US)		

		Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	Cite No. <sup>1</sup>	Number - Kind Code <sup>2</sup> (if known)	MAC DD YOUR	Cited Document		
		US-3,781,596	12/25/1973	Galli et al.		
		US- 4.985,310	01/15/1991	Agarwala et al.		
		US- 5,169,680	12/8/1992	Ting et al.		
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-		US- 6,218,281	04/17/2001	Watanabe et al.		
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FOREIGN PATENT DOCUMENTS						
Examiner C	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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Examiner Signature	Date Considered	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.